## CLAIMS

- A system for de-icing a cableway, comprising:
   a cableway; and
   a power source electrically connected to the cableway for heating the cableway.
- 5 2. A system as in claim 1, wherein the power source provides AC to the cableway.
  - 3. A system as in claim 2, wherein the AC has a frequency in a range of about from 50 to 200 Hz.
  - 4. A system as in claim 1, wherein the power source provides DC power to the cableway.
  - 5. A system as in claim 1, wherein the power source provides power to the cableway in a range of about from 5 to 100 watts per meter of the cableway.
  - 6. A system as in claim 1, further comprising a transformer connected to the power source and the cableway, whereby the power source provides power having a high voltage, and the transformer is capable of stepping down the high voltage to a low voltage.
  - 7. A system as in claim 1, wherein the cableway comprises a cable span, said cable span being separately connected to a power source.
  - 8. A system as in claim 7, further comprising:a circuit connection; anda plurality of cable spans, each cable span having a first end and a second end;

wherein the first ends of the cable spans are electrically connected through the circuit connection to a power terminal of a power source.

- 9. A system as in claim 8, wherein the circuit connection is switchably connectable to ground.
- 10. A system as in claim 8, wherein the second end of the cable spans are electrically connected to to ground.
- 11. A system as in claim 7, further comprising:
  - a plurality of cable spans, each cable span having a first end and a second end;
  - a first power bus connected to a first terminal of a power source; and
  - a second power bus;

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wherein the first end of a plurality of spans is electrically connected to the first power bus, and the second end of a plurality of spans is electrically connected to the second power bus.

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30 12. A system as in claim 11, wherein the first terminal is a power terminal, and the second

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power bus is connected to a second terminal of the power source.

- 13. A system as in claim 11, wherein the second power bus is connected to electrical ground.
- 14. A system as in claim 1, further comprising:
  - a first end station connected to electrical ground; and
- a second end station connected to electrical ground, wherein the cableway is connected to electrical ground at the first and second end stations.
- 15. A system as in claim 1, wherein the cableway comprises: a first cable segment containing at least a first cable span; and a second cable segment containing at least a second cable span, the first cable segment connected to a power source, and the second cable segment connected to a power source separately from the first cable segment.
- 16. A system as in claim 15, wherein the first cable segment is switchably connected to a power source separately from the second cable segment.
- 17. A system as in claim 1, further comprising a first transformer and a second transformer, and wherein the first transformer is electrically connected to a power source and the first cable segment, the second transformer is electrically connected to a power source and the second cable segment.
- 18. A system as in claim 1, further comprising a plurality of power sources, wherein the cableway comprises: a first cable segment containing at least a first cable span, and a second cable segment containing at least a second cable span, the first cable segment is connected to a first power source in a first circuit, and the second cable segment is connected to a second power source in a second circuit.
- 19. A system as in claim 1, wherein the system melts ice using power having a voltage in a range of about from 10 to 20 volts.
- 20. A system for de-icing an elongated conductor, comprising:
  - an elongated conductor; and
    - a power source electrically connected to the elongated conductor;
- wherein the elongated conductor comprises a conductor span, said cable span being separately connected to a power source.
- 21. A system as in claim 20, wherein the power source provides AC to the elongated conductor.
- 30 22. A system as in claim 21, wherein AC has a frequency in a range of about from 50 to 200

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Hz.

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- 23. A system as in claim 20, wherein the power source provides DC power to the elongated conductor.
- 24. A system as in claim 20, further comprising a transformer connected to the power source and the elongated conductor, whereby the power source provides power having a high voltage, and the transformer is capable of stepping down the high voltage to a low voltage.
- 25. A system as in claim 24, further comprising:
  - a circuit connection; and
  - a plurality of conductor spans, each conductor span having a first end and a second end; wherein the first ends of the conductor spans are electrically connected through the circuit

connection to a first terminal of a power source.

- 26. A system as in claim 25, wherein the circuit connection is switchably connectable to ground.
- 27. A system as in claim 20, further comprising:
  - a plurality of conductor spans, each conductor span having a first end and a second end;
  - a first power bus connected to a first terminal of the power source; and
  - a second power bus;

wherein the first end of a plurality of conductor spans is electrically connected to the first power bus, and the second end of the plurality of conductor spans is electrically connected to the second power bus.

- 28. A system as in claim 27, wherein the first terminal is a power terminal, and the second power bus is connected to a second terminal of the power source.
- 29. A system as in claim 27, wherein the second power bus is connected to electrical ground.
- 30. A system as in claim 20, wherein the elongated conductor comprises: a first conductor segment containing at least a first conductor span; and a second conductor segment containing at least a second conductor span, the first conductor segment connected to a power source, and the second conductor segment connected to a power source separately from the first conductor segment.
- 31. A system as in claim 30, wherein the first conductor segment is switchably connected to a power source separately from the second conductor segment.

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- 32. A system as in claim 30, further comprising a first transformer and a second transformer, and wherein the first transformer is electrically connected to a power source and the first conductor segment, the second transformer is electrically connected to a power source and the second conductor segment.
- 5 33. A system as in claim 32, wherein the first transformer is switchably connected to a power source separately from the second transformer.
  - 34. A system as in claim 20, further comprising:a plurality of power sources,

wherein the elongated conductor comprises a first conductor segment and a second conductor segment, the first conductor segment is connected to a first power source in a first circuit, and the second conductor segment is connected to a second power source in a second circuit.

- 35. A system as in claim 20, wherein the system melts ice using power having a voltage in a range of about from 10 to 20 volts.
- 36. A method for de-icing a cableway, comprising a step of: applying electric power to the cableway for heating the cableway.
- 37. A method as in claim 36, wherein applying electric power comprises separately applying electric power to a cable span.
- 38. A method as in claim 37, wherein applying electric power comprises applying electric power to at least one cable span, and not applying power to at least one cable span.
- 39. A method as in claim 36, wherein applying electric power comprises separately applying electric power to a cable segment.
- 40. A method as in claim 39, wherein applying electric power comprises applying electric power to at least one cable segment, and not applying power to at least one cable segment.
- 25 41. A method as in claim 39, wherein applying electric power comprises applying electric power having a voltage in a range of about from 10 to 20 volts to a cable segment.
  - 42. A method as in claim 36, wherein applying electric power comprises applying about 5 to 100 watts per meter of cableway.
  - 43. A method as in claim 36, wherein applying electric power comprises applying low-frequency AC having a frequency in a range of about from 50 to 200 Hz.

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44. A method as in claim 36, wherein the cableway has a plurality of spans, and further comprising steps of:

electrically connecting the first end of a plurality of spans to a first terminal of a power source; and

5 applying electric power to the plurality of connected spans.

- 45. A method as in claim 44, further comprising: electrically connecting the second end of a plurality of spans to electrical ground.
- 46. A method as in claim 36, further comprising: applying power to a first transformer that is electrically connected to the cableway, such that the first transformer reduces the voltage and increases the current of the power.
- 47. A method as in claim 46, further comprising:

  applying power to the first transformer and a second transformer, the first transformer connected to a first cable segment containing at least a first cable span, the second transformer connected to a second cable segment containing at least a second cable span.
- 48. A method as in claim 36, wherein applying electric power comprises applying power from the first power source to a first cable segment, and applying power from a second power source to a second cable segment.
- 49. A method as in claim 36, wherein said applying electric power comprises applying power from the first power source to a first cable segment, and simultaneously applying power from a second power source to a second cable segment.
- 50. A method for de-icing a elongated conductor, comprising a step of: separately connecting a conductor span with a power source; and applying electric power to the connected conductor span.
- 51. A method as in claim 50, wherein applying electric power comprises applying electric power simultaneously and separately to a plurality of conductor segments.
- 52. A method as in claim 50, wherein applying electric power comprises applying electric power to at least one conductor segment, and not applying power to at least one conductor segment.
- 53. A method as in claim 50, wherein applying electric power comprises applying low-frequency AC having a frequency in a range of about from 50 to 200 Hz.

54. A method as in claim 50, further comprising:

applying power to a first transformer that is electrically connected to the elongated conductor, such that the first transformer reduces the voltage and increases the current of the power.

5 55. A method as in claim 54, further comprising:

applying power to the first transformer and a second transformer, the first transformer connected to a first conductor segment, the second transformer connected to a second conductor segment.

56. A method as in claim 50, further comprising:

applying power from a first power source to a first conductor segment, and applying power from a second power source to a second conductor segment.